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TYPE Presentation

TITLE Plans for a fully automated SGSLR system

ABSTRACT

The Space Geodesy Satellite Laser Ranging system (SGSLR) is being designed with the goal of full automation. Lessons learned on NGSLR and other systems are being implemented in SGSLR. Automation will be achieved in stages with the first stage being remote operational capability at the McDonald and Ny-Alesund SGSLR systems when many of the operational tasks will already be automated. Ultimately, SGSLR will send science and monitoring data to, and receive commands from, the Space Geodesy Network Operation Center (SGNOC), similar to the way spacecraft now operate. The hardware and software needed to achieve full automation, and the stages of implementation will be discussed.